

ACR40T-A7 SIM-sized USB-C card reader + button



The ACR40T-A7 is a SIM-sized USB-C smartcard reader that features sophisticated technology and modern, compact design. The ACR40T-A7 supports ISO 7816, various memory cards and a wide range of T=0, T=1 microprocessor cards. This reader is functionally identical to the ACR40T-A5, but includes a configurable button that can be used to confirm the physical presence of the user, to comply with certain security requirements.

Fully compliant with PC/SC and CCID specifications, this reader supports operating systems including Windows, Linux, Mac OS and Android.

Small and lightweight, the ACR40T-A7 meets rigorous requirements in various smart card-based applications.

A USB-C SIM-sized smartcard reader in a modern and lightweight case with a configurable button to confirm physical presence of the user.

To buy, visit:

<https://www.smartcardfocus.com/shop/ilp/id~977/p/index.shtml>

This Product Briefing has been produced by Dot Origin Ltd, the smart card experts behind SmartcardFocus.com. If you have a query email sales@smartcardfocus.com or call us on +44 (0)1428 685250.

ACR40T-A7 Technical Specifications

Product:

Credential type(s): Contact

Read/Write: Read and Write

Form factor: Portable

Connector: USB Standard Type C Full Speed ; Compatible with USB 3.0

OS support: Windows; Linux; Mac OS; Android

Contact Smartcard Interface:

Contact interface standard: ISO 7816

Contact card types: Contact chip - SIM sized card (2FF mini SIM), ISO 7816 Class A, B and C (5 V, 3 V and 1.8 V), Processor cards (T=0 and T=1) and Memory cards

Data transmission protocol: T=0 / T=1

Contact read/write speed: 9.6kbps - 600kbps

Clock frequency: 4.8 MHz; Operates up to 16MHz

Card insertion cycles: Min 100 000

Host Interface:

Host interface standards: PC/SC

Host data transmission speed (wired): 12 Mbps (USB full speed)

Other Features:

Card detection: Protocol and parameters selection, Short circuit protection

Status indicator: Green LED

Button: 1 built-in

Firmware in-field upgradeable: Yes

Data user storage: Yes

Certifications:

Manufacturer's warranty: 1 year

Type approvals: CE, UKCA, FCC, RoHS, REACH, IEC 62368

Application approvals: VCCI (Japan)

Country of origin: China

Physical:

Dimensions: 45.9 x 17.7 x 8.0mm (1.81 x 0.70 x 0.31in)

Weight ($\pm 5\%$): 6.2g (0.22oz)

Power:

Supply voltage: 5V DC

Operating current: max 50mA

Battery power option: No

Environment:

Operating temperature: 0-65 degC (32-149 degF)

Operating humidity: 95% RH (non-condensing)

Manufacturer's part number: ACR40T-A7

Country of origin: China

HSF code: 84719000

Manufacturer: ACS

Below is a picture showing the caps removed from the ACR40T-A7.

